

## Section 5.1 p. 184

- Practice** 1. 2, 2, 3 2. 2, 2, 2, 2 3. 2, 2, 7 4. 3, 3, 7 5. 2, 2, 2, 2, 3, 3 6. 3, 3, 5, 5 7.  $2 \times 2 \times x \times y \times y$  8.  $2 \times 3 \times 3 \times a \times a \times b \times b \times b$  9.  $2 \times 2 \times 3 \times 3 \times x \times x \times y \times z \times z$  10.  $2 \times 5 \times x \times x \times y$  11.  $2 \times 3 \times 3 \times 3 \times x \times x \times x \times x \times x$  12.  $5 \times 5 \times 5 \times a \times a \times a \times a \times b \times b$  13. 5 14. 8 15. 9 16. 14 17. 24 18. 32 19.  $2a$  20.  $x$  21.  $2m^2$  22.  $3abc$  23. 2 24. 7 25.  $5x$  26.  $xy$  27.  $mn$  28.  $2a^2$  29.  $5bc$  30.  $3xy$  31. 5 32.  $2x$  33.  $6a$  34.  $5xy$  35.  $7ab$  36.  $4xy$  37.  $4ab$  38.  $x^2y^2$  39.  $2x^2y$  40.  $3xy^2$  41.  $4ab^3$  42.  $5s^3t^4$  **Problems and Applications** 43. 6 44.  $x$  45. a) A-Shirley, B-Gustav, C-Bob, D-Collete, E-Karin